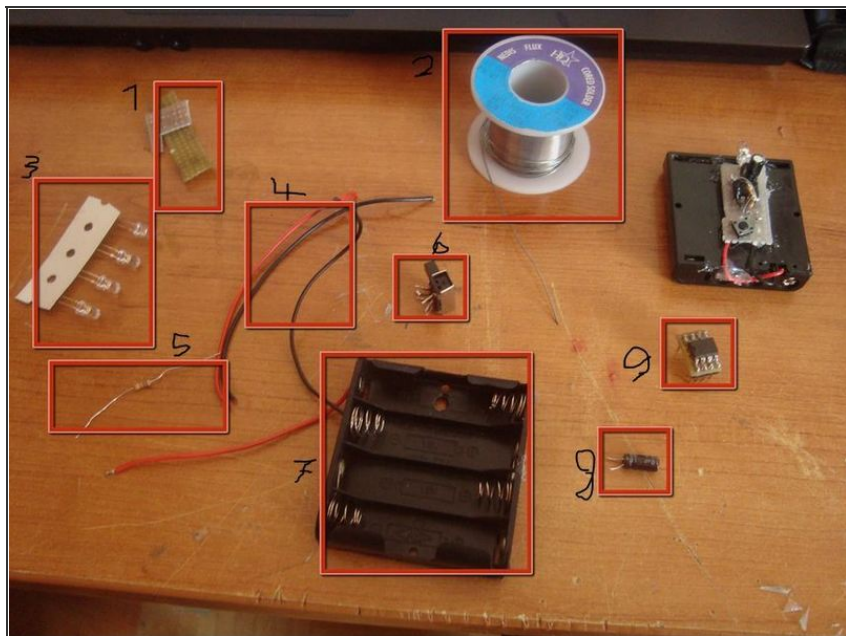


High-Power Blinking LED

Written By: Simon

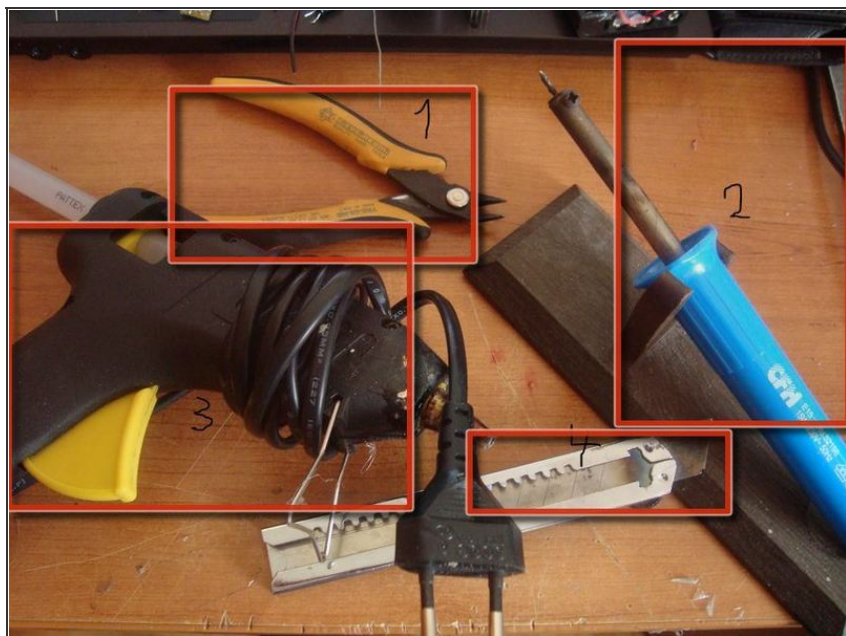
SUMMARY

Step 1 — Materials



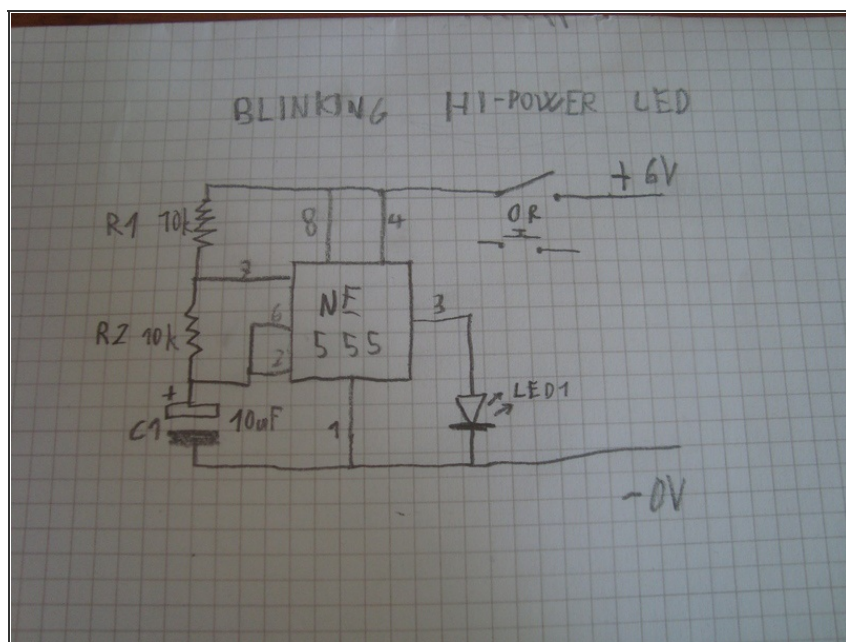
- 1: PCB; 2: Solder; 3: White LEDs; 4: Wire; 5: 10kΩ resistor; 6: Switch (it can be a momentary switch); 7: Battery holder for 4 AA batteries; 8: 10 F Electrolytic capacitor; 9: 555 timer (NE 555).

Step 2 — Tools



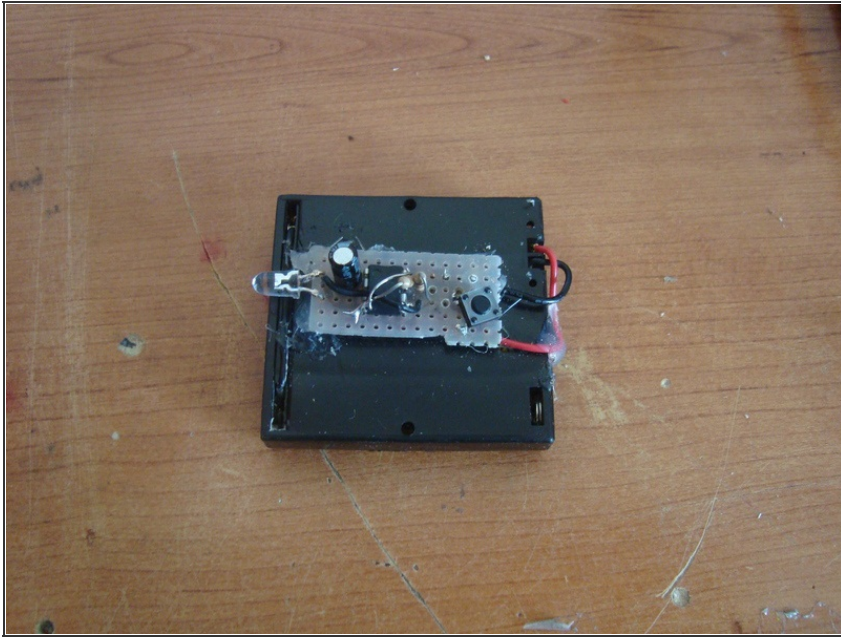
- 1: Wire clippers; 2: Soldering iron or gun; 3: Hot-glue gun; 4: Knife for stripping insulation from wire.

Step 3 — Schematic



- Solder all parts together on a small PCB according to the diagram at left.
- By changing the value of R1 you can change the speed of the LED's blinking. You can also add a 10kΩ potentiometer trimmer instead of R1.

Step 4 — Finished project



- [Here is a video](#) of this project on YouTube.

This document was last generated on 2012-11-03 12:49:00 AM.